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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

MAHMOOD, REZWANUL

ART UNIT

PAPER NUMBER

2164

DATE MAILED: 10/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/813,405	Applicant(s) KULJU ET AL.	
	Examiner Rezwanul Mahmood	Art Unit 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 August 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 August 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>8/16/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to because they fail to show necessary textual labels of features or symbols in Fig. 2 as described in the specification. A descriptive textual label for each numbered element in these figures would be needed to better understand these figures without substantial analysis of the detailed specification. Any structural detail that is of sufficient importance to be described should be labeled in the drawing. Optionally, the applicant may wish to include a table next to the present figure to fulfill this requirement. See 37 CFR 1.84(n)(o), recited below:

"(n) Symbols. Graphical drawing symbols may be used for conventional elements when appropriate. The elements for which such symbols and labeled representations are used must be adequately identified in the specification. Known devices should be illustrated by symbols which have a universally recognized conventional meaning and are generally accepted in the art. Other symbols which are not universally recognized may be used, subject to approval by the Office, if they are not likely to be confused with existing conventional symbols, and if they are readily identifiable.

(o) Legends. Suitable descriptive legends may be used, or may be required by the Examiner, where necessary for understanding of the drawing, subject to approval by the Office. They should contain as few words as possible."

Information Disclosure Statement

2. The Information Disclosure Statement is objected to because of the following informalities:
3. The document number 2002/065711 A1 is not a valid reference and has not been considered. Applicant is requested to submit another copy of the IDS with the proper patent/publication number.

Specification

4. The abstract of the disclosure is objected to because it contains reference to a figure, and because it contains a second paragraph. Correction is required. See MPEP § 608.01(b).

Claim Objections

5. Claims 3-5, 13, and 14 are objected to because of the following informalities:
6. In claim 3 line 1, there should be a “.” after “comprising”.
7. In claim 4 line 2, there should be a “.” after “comprising”.
8. In claim 5 line 1, “Parking fee system” should be “A parking fee system”.
9. In claim 13 line 1, there should be a “.” after “comprising”.
10. In claim 14 line 1, there should be a “.” after “comprising”.
11. Appropriate correction is required.

Claim Rejections - 35 USC § 102

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

13. Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Ho (US Patent 6,188,328).

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14. With respect to claim 1, Ho discloses a method for transmitting parking-related data to a user in a parking fee system, in which the user records parking data when the parking commences into a parking fee register of the parking fee system, said method comprising (Ho: Column 1, lines 25-39):

retrieving on the basis of the parking data from the parking fee register of the parking fee system application data that includes at least the tariff and the expiration time of the parking, if such an expiration time has been defined (Ho: Column 3, lines 1-1-19; Here the user requests and is granted a parking period in a certain area, inherently defining an expiration time.),

sending the application data to the mobile station of the user (Ho: Column 3, lines 1-19; Here after the user has requested a parking period at a certain zone from the parking service provider, upon approval of the request application data is sent to the mobile station of the user.),

activating an application utilizing the application data in the mobile station of the user, the application offering the user by utilizing the tariff a chance to keep track in real time of at least the sum of the accrued parking fee and the remaining parking time, if the expiration time has been defined (Ho: Column 3, lines 1-19 and lines 46-59; Here upon receiving the parking approval an application in the mobile station of the user is activated displaying to the user and others the remaining parking time. Inherently it can also display the sum of the accrued parking fee since the device already uses a pre-paid card or credit card for handling the fee).

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15. With respect to claim 2, Ho discloses a method as claimed in claim 1, wherein a program code of the application is entirely included in the application data to be sent (Ho: The program code or instruction to activate the application is included in the approval communicated to the user from the parking service provider).

16. With respect to claim 3, Ho discloses a method as claimed in claim 1, comprising:

storing the program code of the application in a memory of the mobile station (Ho: Column 2, lines 7-21; Here the mobile unit houses a computer that is programmed to carry out various functions. The computer inherently has some memory where the program code of the application is stored),

sending application data, which includes data related to only the parking event in question, to the mobile station, in the memory of which the program code of the application is stored (Ho: Column 2, lines 7-21; Column 3, lines 1-19; Here the mobile unit houses a computer that is programmed to carry out various functions. The computer inherently has some memory where application data sent by the parking service provider is stored), and

activating the application stored in the memory to utilize the application data sent (Ho: Column 2, lines 7-21; Column 3, lines 1-19 and lines 46-59).

17. With respect to claim 4, Ho discloses a method as claimed in claim 1, comprising:

maintaining a log file in the memory of the mobile station by storing the data concerning the accrued parking fees into said log file (Ho: Column 2, lines 7-21; Column 3, lines 1-19 and lines 46-59; Here the mobile station stores in the memory data concerning the accrued parking fees and time. It can be stored and maintained as a log file).

18. With respect to claim 5, Ho discloses Parking fee system comprising:

a tariff database for maintaining data on the tariffs of the areas within the system, based on which the parking fees in the areas concerned are charged (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 46-59; Here the parking service provider centrally manages the data on the tariffs of the areas within the system, inherently all the data is maintained in a database),

a parking fee register including means for maintaining parking data on the vehicles belonging to the system, for which the parking fee register has received parking data indicating the commencement of the parking, said parking fee register being configured to send application data to a mobile station of the user of a determined vehicle in response to the reception of the parking data indicating the commencement of the parking of said vehicle, the application data including at least a tariff retrieved from the tariff database on the basis of the parking data and the expiration time of the parking, if such an expiration time has been defined, the application data initiating an application in the mobile station of the user, which utilizing said tariff offers the user a chance to keep track in real time of at least the sum of the accrued parking fee and the

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remaining parking time, if the expiration time of the parking has been defined Ho:

Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 46-59).

19. With respect to claim 6, Ho discloses a system as claimed in claim 5, wherein the parking fee register is configured to receive location information from a mobile network that indicates the location of the mobile station of the user while receiving the parking data, and based on the location information to determine the area, in which the parking has taken place (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 46-59; Here the mobile device can have Global Positioning System from which location information can be easily gathered).

20. With respect to claim 7, Ho discloses a system as claimed in claim 5, wherein the parking fee register is configured to send application data to the mobile station of the user, the application data including area-specific instruction data that can be utilized to initiate an application in the mobile station of the user to provide instructions to the user of the mobile station in predetermined situations (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 46-59; Here the parking service provider can send area-specific information to the user, providing instructions on the parking fees and time limits for parking).

21. With respect to claim 8, Ho discloses a system as claimed in claim 5, wherein the parking fee register is configured in response to a registration indicating the termination

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of the parking of a particular vehicle to send a predetermined deactivation command to the mobile station of the user of the vehicle that deactivates the application initiated in the mobile station (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65; Here the parking service provider can transmit signal to the mobile device to terminate the parking period).

22. With respect to claim 9, Ho discloses a mobile station comprising:
- a receiver for receiving application data (Ho: Item 13 in Figure 1), and
 - a display for displaying information to the user of the device, the mobile station being configured by means of the received application data to (Ho: Item 14 in Figure 1):
 - calculate an accrued parking fee utilizing a tariff included in the application data (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65),
 - calculate the remaining parking time, if the application data shows that the expiration time of the parking has been defined (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65), and
 - provide the display with information that show at least the sum of the accrued parking fee and the remaining parking time, if the expiration time of the parking has been defined (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65).

23. With respect to claim 10, Ho discloses a mobile station as claimed in claim 9, wherein the mobile station is configured to maintain in memory a log file by storing data

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concerning the accrued parking fees into the log file (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65; Here the mobile station stores in the memory data concerning the accrued parking fees and time. It can be stored and maintained as a log file).

24. With respect to claim 11, Ho discloses a computer program configured to control an apparatus after activation to calculate an accrued parking fee utilizing a tariff received by the apparatus,

calculate the remaining parking time, if the apparatus has received a piece of information indicating the expiration time of the parking (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65), and

provide a display with information indicating at least the sum of the accrued parking fee and the remaining parking time, if data concerning the expiration time of the parking has been received (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65).

25. With respect to claim 12, Ho discloses a computer program as claimed in claim 11, wherein the computer program is configured to control the apparatus to maintain in memory a log file concerning the accrued parking fees by storing a note into said log file concerning the accrued parking fee in response to a deactivation command of the computer program (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65).

26. With respect to claim 13, Ho discloses a method as claimed in claim 2, comprising:

maintaining a log file in the memory of the mobile station by storing the data concerning the accrued parking fees into said log file (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65; Here the mobile station stores in the memory data concerning the accrued parking fees and time. It can be stored and maintained as a log file).

27. With respect to claim 14, Ho discloses a method as claimed in claim 3, comprising:

maintaining a log file in the memory of the mobile station by storing the data concerning the accrued parking fees into said log file (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65; Here the mobile station stores in the memory data concerning the accrued parking fees and time. It can be stored and maintained as a log file).

28. With respect to claim 15, Ho discloses a system claimed in claim 6, wherein the parking fee register is configured to send application data to the mobile station of the user, the application data including area-specific instruction data that can be utilized to initiate an application in the mobile station of the user to provide instructions to the user of the mobile station in predetermined situations (Ho: Column 2, lines 7-21 and 25-61; Column 3, lines 1-19 and lines 32-65).

Conclusion

29. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Chelnik reference (US Patent 6,832,206) teaches about a parking verification system. The Reinhardt reference (US Publication 2003/0135407) teaches about a parking meter system. The Barends reference (US Publication 2003/0163434) teaches about a parking fee payment system. The Ilen reference (US Patent 5,905,247) teaches about a parking fee control device.

Contact Information


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rezwanul Mahmood whose telephone number is (571)272-5625. The examiner can normally be reached on m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571)272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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SAM RIMELL
PRIMARY EXAMINER